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Docket No.: AD6547USCNT

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Amendments to Claims

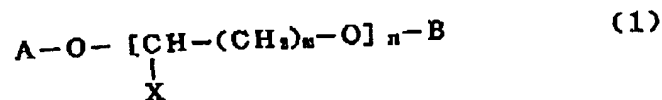
1. (Currently Amended) An antistatic polymer composition characterized in that it comprises:

(A) one or more polymers selected from the group consisting of polyester, polycarbonate, polyamide, polyoxymethylene, polyphenylene sulfide, and compounds of polyphenylene oxide and polystyrene;

(B) an ion-conductive polyetherester amide;

(C) an ion source comprising: (i) a source of at least one carboxyl group or sulfo group being selected from the group consisting of hydrocarbon acids containing 6-54 carbon atoms, sulfonic acids and organic polymers with at least one carboxyl group or sulfo group; and (ii) a part of the carboxyl group or the sulfo group being neutralized by a source of at least one metal ion that is selected from the group consisting of sodium ion, potassium ion, ammonium ion, lithium ion, magnesium ion, calcium ion, copper ion, and or zinc ion and that can react with the carboxyl groups of sulfo group of (i); the source of at least one carboxyl group or sulfo group and solid electrolytes; or the source of at least one carboxyl group or sulfo group and polymer electrolytes; and

(D) a plasticizer of the aforementioned ion-conductive polyetherester amide (B) represented by the formula



wherein m is an integer of 1-3, n is an integer of 4-25, A is a C₁-C₁₀ alkyl, acyl, or aroyl, B is a C₁-C₁₀ alkyl, acyl, or aroyl, and X is H, CH₃, or C₂H₅;

provided that said composition has a surface resistivity of 407 to 10¹³ 10⁷ to 10¹³Ω when measured according to ASTM test method D257.

2. (Presently Cancelled).

3. (Presently Cancelled)

4. (Previously Presented) The antistatic polymer composition of Claim 1

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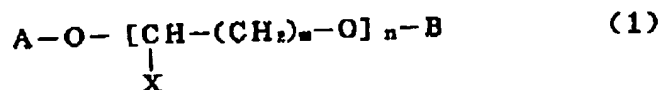
characterized in that it contains 40.0-98.4 wt% of polymer (A), 1.0-35.0 wt% of ion conductive polyetherester amide (B), 0.1-15.0 wt% of ion source (C), and 0.5-10.0 wt% of plasticizer (D) with respect to the weight of the composition as a whole.

5. (Currently Amended) Moldings characterized ~~in~~ in that they are molded from the antistatic polymer composition of Claim 1.
6. (Original) Transfer medium-separating guide parts for electrophotographic devices characterized in that they are molded from the antistatic polymer composition of Claim 1.
7. (Previously Presented) A molded article made from the composition of claim 4 having an electrostatic painting applied directly on a surface thereof.
8. (Currently Amended) An antistatic polymer composition characterized in that it comprises:
 - (A) one or more polymers selected from the group consisting of polyethylene, polypropylene, polypropylene copolymer and EPDM(ethylene/propylene/diene) elastomer;
 - (B) an ion conductive polyetherester amide;
 - (C) an ion source comprising: (i) a source of at least one carboxyl group or sulfo group being selected from the group consisting of hydrocarbon acids containing 6-54 carbon atoms, sulfonic acids and organic polymers with at least one bonded carboxyl group or sulfo group; and (ii) a part of the carboxyl group or the sulfo group being neutralized by a source of at least one metal ion that is selected from the group consisting of sodium ion, potassium ion, ammonium ion, lithium ion, magnesium ion, calcium ion, copper ion, and or zinc ion and that can react with the carboxyl groups or sulfo group of (i); the source of at least one carboxyl group or sulfo group and solid electrolytes; or the source of at least one carboxyl group or sulfo group and polymer electrolytes
 - (D) a plasticizer of the aforementioned ion conductive polyetherester amide

(B) having the formula:

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wherein m is an integer of 1-3, n is an integer of 4-25, A is a C₁-C₁₀ alkyl, acyl, or aroyl, B is a C₁-C₁₀ alkyl, acyl, or aroyl, and X is H, CH₃, or C₂H₅;

provided that said composition has a surface resistivity of 10⁷ to 10¹³ Ω when measured according to ASTM test method D257.

9. (Previously Cancelled)

10. (Original) A molded article made from the composition of Claim 8.

11. (Previously Presented) The antistatic polymer composition of claim 1, wherein component (D) is present in an amount of about 0.5-10.0 wt% with respect to the weight of the antistatic polymer composition.

12. (Previously Presented) The antistatic polymer composition of claim 1, wherein in component (C)(ii), the source of at least one metal ion comprises sodium ion, potassium ion, or lithium ion.

13. (Previously Presented) The antistatic polymer composition of claim 1, wherein in component (C)(i), the source of at least one carboxyl group or sulfo group is selected from the group consisting of hydrocarbon acids containing 25-54 carbon atoms.

14. (Previously Presented) The antistatic polymer composition of claim 1, wherein component (C) comprises an ion source comprising: (i) a source of at least one carboxyl group being selected from the group consisting of hydrocarbon acids containing 6-54 carbon atoms and organic polymers with at least one bonded carboxyl group, and (ii) a source of at least one metal ion that is selected from the group consisting of sodium ion, potassium ion, lithium ion, magnesium ion, and zinc ion and that can react with the carboxyl groups of (i), solid electrolytes or polymer electrolytes.

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15. (Previously Presented) The antistatic polymer composition of claim 1, wherein component (C) comprises ionomers composed of organic ionic hydrocarbon copolymers of α -olefins with 2-5 carbon atoms and α,β -ethylenically unsaturated carboxylic acids with 3-5 carbon atoms whose carboxyl groups are at least partially neutralized with sodium or potassium cations.

16. (Presently Cancelled).

17. (Presently Cancelled)

18. (Previously Presented) The antistatic polymer composition of Claim 8 characterized in that it contains 40.0-98.4 wt% of polymer (A), 1.0-35.0 wt% of ion-conductive polyetherester amide (B), 0.1-15.0 wt% of ion source (C), and 0.5-10.0 wt% of plasticizer (D) with respect to the weight of the composition as a whole.